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## Preface

## Special issue: CONCUR 2006

The 17th International Conference on Concurrency Theory (CONCUR) was held between August 27 and 30, 2006, in Bonn, Germany. The conference program was composed of three invited talks (“Making concurrency mainstream” by Edward Lee, “Definability and process graphs” by Jan-Willem Klop, and “Sanity checks in formal verification” by Orna Kupferman), two tutorials (“Welcome to the jungle: A subjective guide to mobile process calculi” given by Uwe Nestmann and “Probability and nondeterminism in operational models of concurrency” by Roberto Segala), and sessions with reviewed contributions on formal languages, real time, bisimulation and simulation, probability, semantics, types, minimization, and equivalence checking, process calculi, and model checking.

This special issue contains revised and extended versions of two invited papers originally presented at CONCUR’06. They were refereed according to the usual standards of *Information and Computation*. The paper by Chen, Fokkink, Luttik, and Nain presents new results on sound and ground-complete axiomatizations of various relations in the linear time-branching time spectrum. The paper by Brazdil, Brozek, Forejt, and Kucera presents new algorithms for the quantitative reachability problem in recursive Markov decision processes and discusses the complexity.

This special issue and the selection of high-quality papers presented at CONCUR would not be possible without the excellent work of the PC members, to whom we express special thanks.

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